

CLAIMS

1. An object self-protection apparatus comprising a monitoring device (14) which is fixed with respect to the object and a launch container (18) in particular for fragmentation projectiles, which has a target-tracking radar device (20) for the approach movement of a missile (22) which is to be defended against, wherein the monitoring device (14) which is fixed with respect to the object is connected together with an aiming drive for the launch container (18) of the object (10) to be protected,
characterised in that the monitoring device (14) which is fixed with respect to the object is formed by a passive sensor device (16).

2. An object self-protection apparatus according to claim 1 characterised in that the passive sensor device (16) is formed by an image-producing and image-processing UV sensor device.

3. An object self-protection apparatus according to claim 1 characterised in that the passive sensor device (16) is formed by an image-producing and image-processing IR sensor device.

4. An object self-protection apparatus according to one of claims 1 to 3 characterised in that the passive sensor device (16) is in the form of a panoramic sensor system with a high angular measuring accuracy.

5. An object self-protection apparatus according to one of claims 1 to 4 characterised in that the target-tracking radar device (20) is provided for determining the distance and the speed of the projectile (22) to be defended against in the close region.

6. An object self-protection apparatus according to claim 5 characterised in that the close-range region for the AT ammunition signature of a missile (22) to be defended against is of the order of magnitude of from 200 to 300 m.

7. An object self-protection apparatus according to claim 5 or claim 6 characterised in that the target-tracking radar device (20) is a monopulse radar device.